



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

October 20, 2015

Richard M. Gorrell  
Manager, Registrations  
Bayer CropScience  
2 T.W. Alexander Dr.  
RTP, NC 27709

Subject: Label Amendment – Spreader Setting Chart Revisions  
Product Name: Sevin Grub Killer Granules (2% Sevin)  
EPA Registration Number: 432-1212  
Application Date: July 16, 2015  
Decision Number: 507240

Dear Mr. Gorrell:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

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Decision No. 507240

with FIFRA section 6. If you have any questions, please contact Olga Odiott by phone at 703-308-9369, or via email at [odiott.olga@epa.gov](mailto:odiott.olga@epa.gov).

Sincerely,

A handwritten signature in cursive script, appearing to read "Gebken", written in black ink.

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

Enclosure

# SEVIN<sup>®</sup> GRUB KILLER GRANULES (2% SEVIN<sup>®</sup>)

This label contains two separate sub-label statements: Sublabel A for standard packaging (e.g., bag) for use with a spreader, and Sublabel B for shaker container packaging.

## FOR OUTDOOR RESIDENTIAL USE ONLY

[To Kill Fire Ants, Ticks (including those that may vector Lyme Disease)]  
 [Easy to Use Granules]  
 [Kills Japanese Beetles\*]  
 [Bug Killer\*]  
 [Kills Numerous [Over 30] Listed Pests on Lawns and Ornamentals \*]  
 [\*Covers Up to \_\_\_\_\_ Square Feet]  
 Got Japanese Beetles? Get Sevin!  
 Got [insert listed pest here]? Get Sevin!  
 Special Value! 25% More! (25% more than 20 lb bag)

Hate The Bugs. Love The Garden. Get Sevin!  
 Kills Over 30 Listed Pests on Lawns, Ornamentals, and Around Homes  
 [Use on Lawns, Ornamentals and around Home]  
 [For Home Lawns]  
 [For use on vegetables]  
 [For outdoor use only]  
 [Special Value! 25% More! (25% more than 20lb bag)]  
 [[For] Use on [Lawns], [Flowers], [Shrubs], [Ornamental Plants], [Vegetable Gardens], and [Around the Outside of Your Home]]

### ACTIVE INGREDIENT:

Carbaryl*.....	2.0%
<b>OTHER INGREDIENTS</b> .....	<b>98.0%</b>
<b>TOTAL:</b>	<b>100.0%</b>

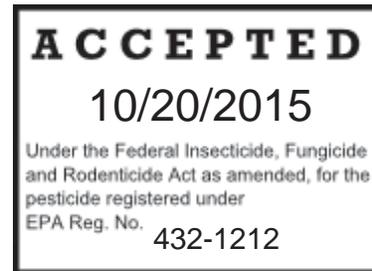
\*CAS Number 63-25-2

EPA Reg. No.432-1212

EPA Est. No.67572-GA-1

Net Weight: 2.5 pounds [Covers up to 1,073 sq ft]  
 Net Weight: 5 pounds [Covers up to 2,146 sq ft]  
 Net Weight: 10 pounds [Covers up to 4,292 sq ft]  
 Net Weight: 20 pounds [Covers up to 8,584 sq ft]  
 [or other sizes up to 50 pounds]

**Editorial Note:** [Bracketed text] is optional language or editorial noting.



# SEVIN® GRUB KILLER GRANULES

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Net Weight: 2.5 pounds [Covers up to 1,073 sq ft]  
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 [or other sizes up to 50 pounds]

Editorial Note: [Bracketed text] is optional language or editorial noting.

## KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
 For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

<b>FIRST AID</b>	
<b>This product is a N-methyl carbamate and is a cholinesterase inhibitor</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency treatment information.**

**NOTE TO PHYSICIAN:** CARBARYL is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atropine. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are not recommended.

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, and shoes plus socks and chemical resistant gloves (household or latex rubber gloves) when handling this product. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash hands before eating, drinking, chewing gum, tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

### **ENVIRONMENTAL HAZARDS**

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or allow drift to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

## **DIRECTION FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

**Read Entire Label Before Using This Product**

Strictly follow all label directions and restrictions.

### **RESTRICTIONS**

Do not allow people or pets to enter the treated area until dusts have settled. Do not allow people (except those involved in the watering-in) or pets to enter the treated area until the watering-in is completed and the area has dried.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

For outdoor use only.

Do not apply by hand, spoon, or belly grinder.

Product must be watered in immediately following application.

Not for use on plants grown for sale or commercial use, research or commercial seed production.

## LAWNS

Use when insects first appear and/or plant damage is imminent. Apply when air is calm. Repeat applications as necessary up to a total of 4 times per year but not more often than once every 7 days.

PESTS	POUNDS OF THIS PRODUCT/1,000 SQ FT	COMMENTS
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, chiggers, Chinch Bugs, Cutworms, Earwigs, Essex skipper, European chafer, Fall armyworm, Fiery skipper, Grasshoppers, Green June beetle larvae, Leafhoppers, Lucerene moth, Millipedes, Mosquitoes (young), Scarab beetle adults: such as May beetle, June beetle, Japanese beetle, Green June beetle, Sod webworm (lawn moths), Sowbugs, Spittlebugs, Springtails, Yellowstriped armyworms	2.25	Product must be watered in immediately following application.  For heavy infestations of Chinch bugs, increase rate to 5 lbs per 1,000 sq ft and treat the entire area.  To effectively kill subsurface pests, apply when insects are actively feeding near the soil surface, usually during late March through May, or July through early September, or as guided by local agricultural extension service agents.
Billbug larvae, European crane fly larvae, Fleas, White grubs: Such as Japanese beetle larvae, Chafer beetle larvae, Phyllophaga spp. larvae, Annual white grubs, Black turfgrass atenius beetle larvae, Hyperodes weevil (bluegrass weevil larvae)	9	
Scorpions	5	
Fleas	7-9	
Ticks	1.15	

Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

### TICKS THAT MAY VECTOR LYME DISEASE

To kill juvenile and adult Ixodes spp. ticks (Deer Ticks and Black Legged Tick) and ticks (Lone Star Tick) which may vector Lyme Disease: Apply granules at the rate of 1.15 pounds of product per 1,000 sq ft with a spreader to ensure uniform coverage. Target applications to kill juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Adult ticks can be killed with late summer and fall applications (August/September). Make applications to lawns, shrub beds, ornamental plantings, wooded areas and around outside perimeters of home and other buildings. Treat entire lawn and perimeter wooded areas and property boundaries where exposure to ticks may occur. Irrigate treated areas thoroughly after application to remove chemical from the granules and move down into thatch. Ticks may be reintroduced from surrounding areas or host animals. Reapply as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Ticks must be directly contacted for product to be effective.

**FLOWERS AND SHRUBS (ORNAMENTAL PLANTINGS) IN LANDSCAPE AND FOUNDATION PLANTINGS.**

PESTS	POUNDS THIS PRODUCT / 1,000 SQ FT	SPECIFIC DIRECTIONS
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Silverfish, Spiders,	2.25 to 5	Application to wet foliage during periods of high humidity may cause injury to tender foliage.  Using a spreader, apply granules in a 6-foot band around the home, to shrub and flowerbeds, foundations, ornamental plantings and lawn or soil areas immediately adjacent to the home. Treated area must be thoroughly watered after application to remove the chemical from the granules.  Repeat as needed up to 3 times per year but do not apply more often than once every 7 days. Do not use on plants above chest height.
Fleas	7 to 9	
Scorpions	5	
Ticks	1.15	

Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**NUISANCE PESTS AROUND THE OUTSIDE OF HOMES, PORCHES, AND PATIOS**

To kill Fleas: Apply granules at the rate of 4-9 lbs per 1,000 sq ft  
 To kill Ticks: Apply granules at the rate of 1.15 lbs per 1,000 sq ft  
 To kill Scorpions: Apply granules at the rate of 5 lbs per 1,000 sq ft  
 To kill Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Millipedes, Silverfish, Sowbugs, Spiders:

Using a spreader, apply granules uniformly in an 8 foot band around the outside perimeter of home. Apply granules at the rate of 2-1/3 lbs per 1,000 sq ft to shrub and flower beds, foundations, ornamental plantings and lawn and soil areas immediately adjacent to the home. Treated area must be watered immediately after application to remove the chemical from the granules. Repeat application as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**NUISANCE PESTS IN LISTED GARDEN VEGETABLES AND STRAWBERRIES**

To kill ants (except harvester, pharaoh and carpenter ants), centipedes, crickets, cutworms, earwigs, grasshoppers, millipedes, sowbugs (pillbugs) and springtails apply granules with a spreader at the rate given below. Water lightly after application to release the chemical from the granules. Begin applications when insect or damage is first observed and repeat as directed below. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

Retreatment intervals (days between treatments) and other restrictions are found listed in the table below.

**PREHARVEST USE LIMITATION:**

Observe the listed preharvest intervals (number of days between the last application and harvest) for application during the growing season.

CROP	APPLICATION RATE (LBS/1,000 SQ FT)	MAXIMUM YEARLY APPLICATION RATE (LBS/1,000 SQ FT)	RETREATMENT INTERVAL DAYS	PHI (DAYS)	COMMENTS
Asparagus (spears)	2.3	6.9	3	1	Total maximum seasonal application rate is 11.5 lbs per 1,000 sq ft per crop. The total number of applications is 3 prior harvest with 2 additional applications only to ferns. *after harvest of spears
Asparagus (ferns*)	2.3	4.6	7	1	
Edible-podded legume vegetables including: Snap bean, wax bean, yardlong bean, jack bean, edible-pod pea, snow pea, sugar snap pea. Dried shelled beans and peas including: field bean, kidney bean, lima bean (dry),navy bean, pinto bean, adzuki bean, blackeyed pea, cowpea, mung bean, southern pea, lentil(dry).	1.7	6.9	7	3(EP) 21(D)	EP = edible-podded D = dried  Total number of applications per crop can be 4.  Use on succulent peas or beans is prohibited.
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)	1.2 – 2.3	6.9	7	7	Total number of applications per crop can be 6 (some of which must be lower than the maximum single application rate)
Brussels sprouts, Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, mustard greens	1.7 – 2.3	6.9	7	3(A) 14(B)	A= Brussels sprouts, Broccoli, Cabbage, Kohlrabi and Cauliflower B= Chinese Cabbage, Kale, Collards, mustard greens Total number of applications per crop can be 4 (some of which must be lower than the maximum single application rate). Application is only permitted within 30 days of crop emergence or the date of transplanting.
Cucumber, melon,	1.2	6.9	7	3	Total number of

CROP	APPLICATION RATE (LBS/1,000 SQ FT)	MAXIMUM YEARLY APPLICATION RATE (LBS/1,000 SQ FT)	RETREATMENT INTERVAL DAYS	PHI (DAYS)	COMMENTS
Squash					applications per crop can be 6
Garden Beets(top), Turnips (tops)	2.3	6.9	7	14	Total number of applications per crop can be 3
Potatoes	2.3	6.9	7	7	Total number of applications per crop can be 3
Strawberry	2.3	11.5	7	7	Total number of applications per crop can be 5
Tomato, Pepper, Eggplant	2.3	9.2	7	3	Total number of applications per crop can be 4

Broadcast application should be performed with a calibrated broadcast spreader to evenly distribute the granules. Approximate settings for several models are provided in the table below. Mow lawn first for best results.

#### SPREADER SETTINGS FOR PEANUT HULLS FORMULATIONS

### [Insert the Spreader Settings for Peanut Hulls Formulations Chart Here]

[NA: Not applicable, no setting for this rate.]

NOTE: Spreader settings are approximate. It is recommended that you calibrate your spreader before application since manufacturer's settings can vary among the same model of spreader.

Broadcast Spreader: If your lawn is rectangular, apply two border strips across each end for a turning area. If your lawn is an irregular shape, apply a border strip completely around it. Then apply product back and forth in the longest direction. Turn the spreader off and on at the edge of each strip to prevent uneven application. Overlap the throw pattern by about a foot to ensure complete coverage.

Drop Spreader: Apply granules with spreader going in the same direction as the longest part of the lawn. Apply two (2) header strips first. To ensure thorough coverage, make sure to overlap wheel marks. Shutoff the spreader when finished or when the header strips have been reached.

## STORAGE AND DISPOSAL

**Do not contaminate water, food, or feed by storage or disposal.**

**Pesticide Storage:** Store in original container in a cool, dry place away from children and animals. Avoid excess heat.

**Pesticide Disposal: If empty:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-XXX-XXX-XXXX for disposal instructions. Never place unused product down any indoor or outdoor drain.

[**NOTICE:** Research and testing have determined that the "Directions For Use" are appropriate for the proper use of this product under expected conditions. To the extent consistent with applicable law, the Buyer assumes responsibility for lack of performance or safety if not used according to the directions].

If you have a medical emergency, need consultation on diagnosis, therapy and analysis please call: [(xxx)-xxx-xxxx]

If you have questions relating to this product use or application, please call: [(xxx) xxx-xxxx]

If you have a product spill or transportation emergency call: [(xxx) xxx-xxxx]

For Material Safety Data Sheets please call [(xxx) xxx-xxxx].

SEVIN is a registered trademark of Tessenderlo Kerley, Inc.

[Optional language (only if required by the State of CA):

**WARNING:** This product contains carbaryl, a chemical known to the State of California to cause [cancer] and [reproductive harm] in laboratory animals.]

**PRODUCED FOR**



**Bayer Environmental Science**

**A Division of Bayer CropScience LP  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709**

# SEVIN® GRUB KILLER GRANULES

## [ABN: Sevin® Bug Killer Granules]

### (2% SEVIN®)

#### FOR OUTDOOR RESIDENTIAL USE ONLY

[To Kill Fire Ants, Ticks (including those that may vector Lyme Disease)]  
 [Easy to Use Granules]  
 [Kills Japanese Beetles\*]  
 [Bug Killer\*]  
 [Kills Numerous [Over 30] Listed Pests on Lawns and Ornamentals \*]  
 [\*Covers Up to \_\_\_\_\_ Square Feet]  
 Got Japanese Beetles? Get Sevin!  
 Got [insert listed pest here]? Get Sevin!  
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#### ACTIVE INGREDIENT:

Carbaryl*.....	2.0%
<b>INGREDIENTS</b> .....	<b>98.0%</b>
<b>TOTAL:</b>	<b>100.0%</b>

\*CAS Number 63-25-2

EPA Reg. No. 432-1212

EPA Est. No. 67572-GA-1

Net Weight: 2.5 pounds [Covers up to 1,073 sq ft]  
 Net Weight: 5 pounds [Covers up to 2,146 sq ft]  
 Net Weight: 10 pounds [Covers up to 4,292 sq ft]  
 Net Weight: 20 pounds [Covers up to 8,584 sq ft]  
 [or other sizes up to 50 pounds]

Editorial Note: [Bracketed text] is optional language or editorial noting.

### KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577  
 For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

<b>FIRST AID</b>	
<b>This product is a N-methyl carbamate and is a cholinesterase inhibitor</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 - 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOTLINE NUMBER</b>	
<b>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency treatment information.</b>	
<b>NOTE TO PHYSICIAN:</b> CARBARYL is an N-methyl carbamate insecticide which is a cholinesterase inhibitor. Specific antidote consists of atropine. Narcotics and other sedatives should not be used. Drugs like 2-PAM (pyridine-2-aldoxime methiodide) are not recommended.	

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Wear long-sleeved shirt and long pants, and shoes plus socks and chemical resistant gloves (household or latex rubber gloves) when handling this product. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Wash hands before eating, drinking, chewing gum, tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

#### Environmental Hazards

This product is extremely toxic to aquatic invertebrates. Do not apply directly to water or allow drift to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off to water bodies or drainage systems.

## DIRECTION FOR USE

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Read Entire Label Before Using This Product**

Strictly follow all label directions and restrictions.

#### Restrictions

Do not allow people or pets to enter the treated area until dusts have settled. Do not allow people (except those involved in the watering-in) or pets to enter the treated area until the watering-in is completed and the area has dried.

Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

For outdoor use only.

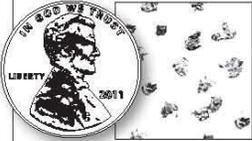
Do not apply by hand, spoon, or belly grinder.

Product must be watered in immediately following application.

Not for use on plants grown for sale or commercial use, research, or commercial seed production.

### Application Rate Diagrams

Refer to the diagrams below as a guide for uniform distribution of granules at the specified application rate.

Application Rates				
1 lb per 250 sq. ft.	1 lb per 500 sq. ft.	1 lb per 1000 sq. ft.	2 lbs per 1000 sq. ft.	2.5 lbs per 1000 sq. ft.
<p><i>Illustration of penny with actual size granules spread at 1 lb per 250 sq. ft. rate</i></p> 	<p><i>Illustration of penny with actual size granules spread at 1 lb per 500 sq. ft. rate</i></p> 	<p><i>Illustration of penny with actual size granules spread at 1 lb per 1000 sq. ft. rate</i></p> 	<p><i>Illustration of penny with actual size granules spread at 2 lbs per 1000 sq. ft. rate</i></p> 	<p><i>Illustration of penny with actual size granules spread at 2.5 lbs per 1000 sq. ft. rate</i></p> 

**TICKS THAT MAY VECTOR LYME DISEASE**

To kill juvenile and adult Ixodes spp. ticks (Deer Ticks and Black Legged Tick) and ticks (Lone Star Tick) which may vector Lyme Disease: Apply granules at the rate of 0.575 pounds of product per 500 sq ft with this shaker container to ensure uniform coverage. Refer to the application rate diagram for accurate granule spacing of the specified rate. Target applications to kill juvenile ticks (larvae and nymphs) in late spring or early summer (May/June). Adult ticks can be killed with late summer and fall applications (August/September). Make applications to shrub beds, ornamental plantings, wooded areas and around outside perimeters of home and other buildings. Irrigate treated areas thoroughly after application to remove chemical from the granules and move down into thatch. Ticks may be reintroduced from surrounding areas or host animals. Reapply as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Ticks must be directly contacted for product to be effective.

**FLOWERS AND SHRUBS (ORNAMENTAL PLANTINGS) IN LANDSCAPE AND FOUNDATION PLANTINGS**

<b>PESTS</b>	<b>APPLICATION RATE</b>	<b>SPECIFIC DIRECTIONS</b>
Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Silverfish, Spiders,	1.13 to 2.5 lbs per 500 sq ft	Application to wet foliage during periods of high humidity may cause injury to tender foliage.
Fleas	1.75 to 2.25 lbs per 250 sq ft	Using this shaker container, apply granules in a 6-foot band around the home, to shrub and flowerbeds, foundations, ornamental plantings and lawn or soil areas immediately adjacent to the home. Refer to the application rate diagrams for accurate granule spacing of the specified rate. Treated area must be thoroughly watered after application to remove the chemical from the granules.  Repeat as needed up to 3 times per year but do not apply more often than once every 7 days. Do not use on plants above chest height.
Scorpions	2.5 lbs per 500 sq ft	
Ticks	0.575 lbs per 500 sq ft	

Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**Nuisance Pests Around the Outside of Homes, Porches, and Patios**

To kill Fleas: Apply granules at the rate of 1 – 2.25 lbs per 250 sq ft

To kill Ticks: Apply granules at the rate of 0.575 lbs per 500 sq ft

To kill Scorpions: Apply granules at the rate of 2.5 lbs per 500 sq ft

To kill Ants (except harvester, pharaoh and carpenter ants), Armyworms, Centipedes, Crickets, Cutworms, Earwigs, Firebrats, Millipedes, Silverfish, Sowbugs, Spiders:

Using this shaker container, apply granules uniformly in an 8 foot band around the outside perimeter of home. Apply granules at the rate of 2.3 lbs per 1,000 sq ft to shrub and flower beds, foundations, ornamental plantings and lawn and soil areas immediately adjacent to the home.

Refer to the application rate diagrams for accurate granule spacing of the specified rate. Treated area must be watered immediately after application to remove the chemical from the granules. Repeat application as necessary up to a total of 4 times per year, but not more often than once every 7 days. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

**Nuisance Pests in listed Garden Vegetables and Strawberries**

To kill ants (except harvester, pharaoh and carpenter ants), centipedes, crickets, cutworms, earwigs, grasshoppers, millipedes, sowbugs (pillbugs) and springtails apply granules with this shaker container at the rate given below. Refer to the application rate diagrams for accurate granule spacing of the specified rate. Water lightly after application to release the chemical from the granules. Begin applications when insect or damage is first observed and repeat as directed below. Will kill target pests that are present only at the time of application. Pest must be directly contacted for product to be effective.

Retreatment intervals (days between treatments) and other restrictions are found listed in the table below.

**Preharvest Use Limitation:** Observe the listed preharvest intervals (number of days between the last application and harvest) for application during the growing season.

CROP	APPLICATION RATE (LBS/1,000 SQ FT)	MAXIMUM YEARLY APPLICATION RATE (LBS/1,000 SQ FT)	RETREATMENT INTERVAL DAYS	PHI (DAYS)	COMMENTS
Asparagus (spears)	2.3	6.9	3	1	Total maximum seasonal application rate is 11.5 lbs per 1,000 sq ft per crop. The total number of applications is 3 prior to harvest with 2 additional applications only to ferns.  *after harvest of spears
Asparagus (ferns*) 2.3 4.6 7 1	2.3	4.6	7	1	
Edible-podded legume vegetables including: Snap bean, wax bean, yardlong bean, jack bean, edible-pod pea, snow pea, sugar snap pea. Dried shelled beans and peas including: field bean, kidney bean, lima bean (dry), navy bean, pinto bean, adzuki bean, blackeyed pea, cowpea, mung bean, southern pea, lentil (dry).	1.7	6.9	7	3 (EP) 21 (D)	EP = edible-podded D = dried  Total number of applications per crop can be 4.  Use on succulent peas or beans is prohibited.
Garden beets (roots), Carrots, Horseradish, Radishes, Parsnips, Rutabaga, Salsify, Turnips (roots)	1.2 – 2.3	6.9	7	7	Total number of applications per crop can be 6 (some of which must be lower than the maximum single application rate)
Brussels sprouts, Broccoli, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, mustard greens	1.7 – 2.3	6.9	7	3(A) 14(B)	A = Brussels sprouts, Broccoli, Cabbage, Kohlrabi, and Cauliflower B = Chinese Cabbage, Kale, Collards, mustard greens Total number of applications per crop can be 4 (some of which must be lower than the

					maximum single application rate). Application is only permitted within 30 days of crop emergence or the date of transplanting.
Cucumber, melon, Squash	1.2	6.9	7	3	Total number of applications per crop can be 6
Garden Beets(top), Turnips (tops)	2.3	6.9	7	14	Total number of applications per crop can be 3
Potatoes	2.3	6.9	7	7	Total number of applications per crop can be 3
Strawberry	2.3	11.5	7	7	Total number of applications per crop can be 5
Tomato, Pepper, Eggplant	2.3	9.2	7	3	Total number of applications per crop can be 4

### STORAGE AND DISPOSAL

**Do not contaminate water, food, or feed by storage or disposal.**

**Pesticide Storage:** Store in original container in a cool, dry place away from children and animals. Avoid excess heat.

**Pesticide Disposal: If empty:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Place in trash or offer for recycling if available.

**If partly filled:** Call your local solid waste agency or 1-XXX-XXX-XXXX for disposal instructions. Never place unused product down any indoor or outdoor drain.

[NOTICE: Research and testing have determined that the "Directions For Use" are appropriate for the proper use of this product under expected conditions. To the extent consistent with applicable law, the Buyer assumes responsibility for lack of performance or safety if not used according to the directions].\

If you have a medical emergency, need consultation on diagnosis, therapy and analysis please call: [(xxx)-xxx-xxxx]

If you have questions relating to this product use or application, please call: [(xxx) xxx-xxxx]

If you have a product spill or transportation emergency call: [(xxx) xxx-xxxx]

For Material Safety Data Sheets please call [(xxx) xxx-xxxx].

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[Optional language (only if required by the State of CA):

**WARNING:** This product contains carbaryl, a chemical known to the State of California to cause [cancer] and [reproductive harm] in laboratory animals.]

PRODUCED FOR



Bayer Environmental Science

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Sevin® Grub Killer Granules (PENDING) 07/14/2015, 07/15/2015